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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	COMPTENDED	
10/050,371	01/18/2002	Robert J. Herbst	Herbst-App	CONFIRMATION NO. 6089	
	90 07/16/2003				
Edwin H. Crabtree Suite 575 3773 Cherry Creek N. Drive Denver, CO 80209			EXAMINER		
			PHASGE, ARUN S		
			ART UNIT	PAPER NUMBER	2
			1753		
			DATE MAILED: 07/16/2003		

DATE MAILED: 07/16/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Offic Action Summary	10/050,371	HERBST, ROBERT J.				
Action Summary	Examin r	Art Unit				
The MAII ING DATE of this community	Arun S. Phasge	1753				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply if NO period for reply is specified above, the maximum statutory period was period for reply within the set or extended period for reply will, by statute, any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days rill apply and will expire SIX (6) MONTHS from t	ely filed will be considered timely.				
1) Responsive to communication(s) filed on						
1 20\[Tt' "						
/E3 11III	s action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims						
4)⊠ Claim(s) <u>1-19</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-19</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement. Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
5. Copies of the certified copies of the priority documents have been as a second of the certified copies of the priority documents have been as a second of the certified copies of the priority documents have been as a second of the priority documents have been as a sec						
* See the attached detailed Office action for a list of the certified copies not received						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	4) Interview Summary (PTC 5) Notice of Informal Paten 6) Other:	D-413) Paper No(s) t Application (PTO-152)				
Patent and Trademark Office O-326 (Rev. 04-01) Office Action		10				

DETAILED ACTION

Claim Objections

The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claims 15-18 have been renumbered 16-19. Claim Rejections -

35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 7 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Gotz et al. (Gotz), PCT publication WO 96/17667.

The Gotz patent discloses the claimed apparatus and method comprising a tank (6) having electrocoagulation electrodes mounted therein and connected to a power source and a second flow through module (5) with electrocoagulation electrodes mounted therein, said electrodes connected to a power source, said electrodes further treating the wastewater and removing the contaminants found

Application/Control Number: 10/050,371

Art Unit: 1753

Page 3

therein and connected to and downstream from the first tank (see English abstract and figure 3). The reference further discloses the use of alternating current (see page 7, lines 16-19).

Therefore, since the Gotz patent discloses each and every limitation, the claims are anticipated.

Claim Rejections - 35 USC \$ 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Art Unit: 1753

Claims 2-6, 8-13 and 15-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gotz as applied to claims above, and further in view of Morkovsky et al. (Morkovsky), U.S. Patent 5,928,493.

The Gotz patent does not disclose the claimed use of multiple electrocoagulating chambers. The reference fails to disclose the further limitations to the further treatment of the water after the electrocoagulation, i.e., the clarifier, foam removal tank and filters as claimed.

The Morkovsky patent teaches the use of multiple electrocoagulation chambers depending upon the water being treated (see col. 5, line 63 to col. 6, line 20). The reference further discloses the use of foam tanks, clarifiers and filters as claimed (see figure 1 and claims 1-30).

Consequently, the invention as a whole would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the disclosure of the Gotz patent with the teachings of the Morkovsky reference, because the Morkovsky patent teaches that such modification to multiple electrocoagulators is dependent upon the water being treated and the conventional use of filters, foam tanks and clarifiers to obtain cleaner water.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arun S. Phasge whose telephone number is (703) 308-2528. The examiner can normally be reached on MONDAY-THURSDAY, 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X Nguyen can be reached on (703) 308-3322. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Arun S. Phasge Primary Examiner Art Unit 1753

asp July 14, 2003